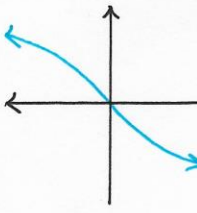
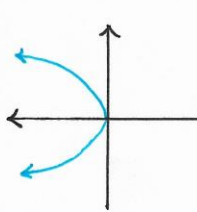
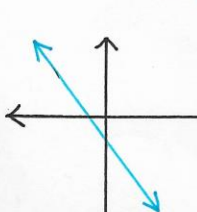
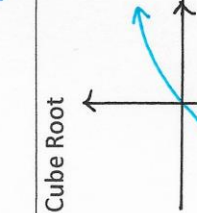
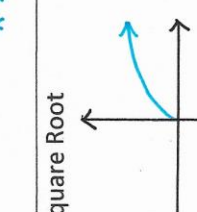

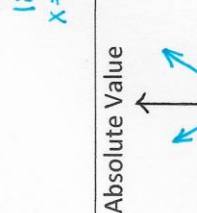
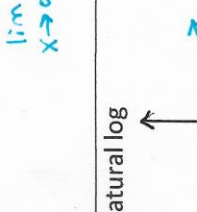
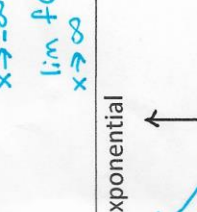
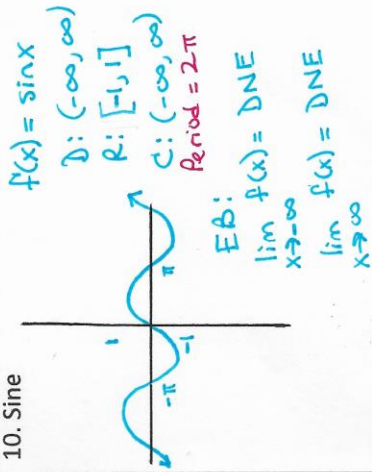


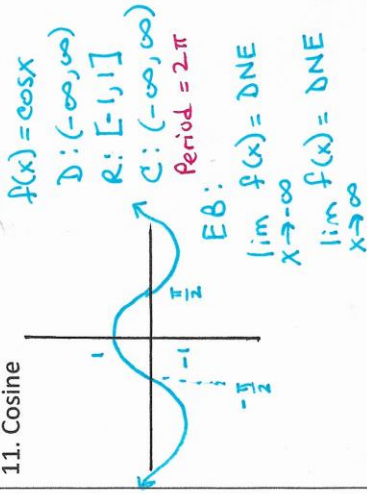
Write equation of parent function, sketch, list domain, range, continuity, asymptotes and end behavior *interval notation*

<p>1. Linear (Identity, Constant)</p> <p>$f(x) = x$</p> <p>D: $(-\infty, \infty)$ R: $(-\infty, \infty)$ C: $(-\infty, \infty)$</p> <p>EB: $\lim_{x \rightarrow -\infty} f(x) = -\infty$ $\lim_{x \rightarrow \infty} f(x) = \infty$</p> 	<p>2. Quadratic (Squaring)</p> <p>$f(x) = x^2$</p> <p>D: $(-\infty, \infty)$ R: $[0, \infty)$ C: $(-\infty, \infty)$</p> <p>EB: $\lim_{x \rightarrow -\infty} f(x) = \infty$ $\lim_{x \rightarrow \infty} f(x) = \infty$</p> 	<p>3. Cubic (Cubing)</p> <p>$f(x) = x^3$</p> <p>D: $(-\infty, \infty)$ R: $(-\infty, \infty)$ C: $(-\infty, \infty)$</p> <p>EB: $\lim_{x \rightarrow -\infty} f(x) = -\infty$ $\lim_{x \rightarrow \infty} f(x) = \infty$</p> 
<p>4. Rational (Reciprocal)</p> <p>$f(x) = \frac{1}{x}$</p> <p>D: $(-\infty, 0) \cup (0, \infty)$ R: $(-\infty, 0) \cup (0, \infty)$ C: $(-\infty, 0) \cup (0, \infty)$</p> <p>Asymp: $x = 0$</p> <p>EB: $\lim_{x \rightarrow -\infty} f(x) = 0$ $\lim_{x \rightarrow \infty} f(x) = 0$</p> 	<p>5. Square Root</p> <p>$f(x) = \sqrt{x}$</p> <p>D: $[0, \infty)$ R: $[0, \infty)$ C: $[0, \infty)$</p> <p>EB: $\lim_{x \rightarrow -\infty} f(x) = \text{DNE}$ $\lim_{x \rightarrow \infty} f(x) = \infty$</p> 	<p>6. Cube Root</p> <p>$f(x) = \sqrt[3]{x}$</p> <p>D: $(-\infty, \infty)$ R: $(-\infty, \infty)$ C: $(-\infty, \infty)$</p> <p>EB: $\lim_{x \rightarrow -\infty} f(x) = -\infty$ $\lim_{x \rightarrow \infty} f(x) = \infty$</p> 
<p>7. Exponential</p> <p>$f(x) = b^x$</p> <p>D: $(-\infty, \infty)$ R: $(0, \infty)$ C: $(-\infty, \infty)$</p> <p>Asymp: $x = 0$</p> <p>EB: $\lim_{x \rightarrow -\infty} f(x) = \infty$ $\lim_{x \rightarrow \infty} f(x) = 0$</p> 	<p>8. Natural log</p> <p>$f(x) = \log_b x$</p> <p>D: $(0, \infty)$ R: $(-\infty, \infty)$ C: $(0, \infty)$</p> <p>Asymp: $y = 0$</p> <p>EB: $\lim_{x \rightarrow -\infty} f(x) = \text{DNE}$ $\lim_{x \rightarrow \infty} f(x) = \infty$</p> 	<p>9. Absolute Value</p> <p>$f(x) = x$</p> <p>D: $(-\infty, \infty)$ R: $[0, \infty)$ C: $(-\infty, \infty)$</p> <p>EB: $\lim_{x \rightarrow -\infty} f(x) = \infty$ $\lim_{x \rightarrow \infty} f(x) = \infty$</p> 

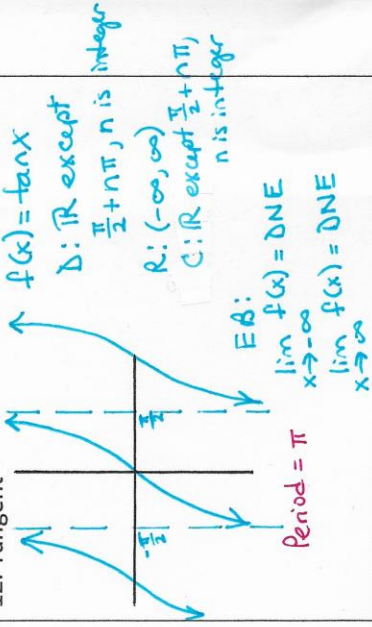
10. Sine



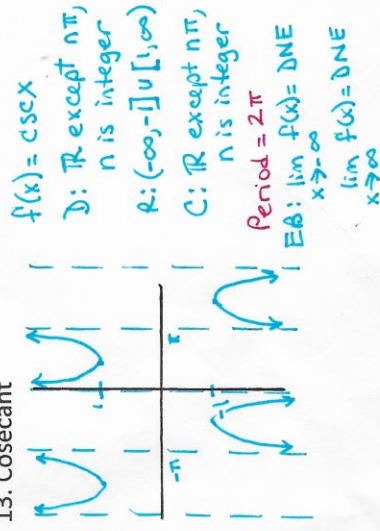
11. Cosine



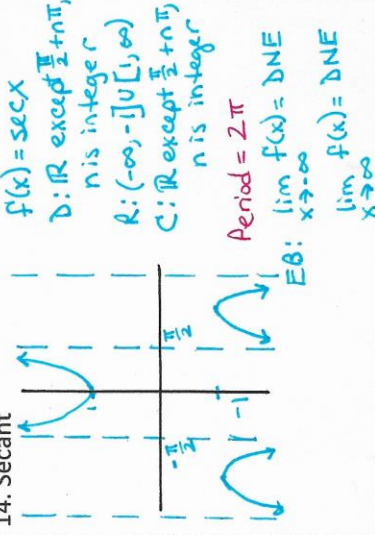
12. Tangent



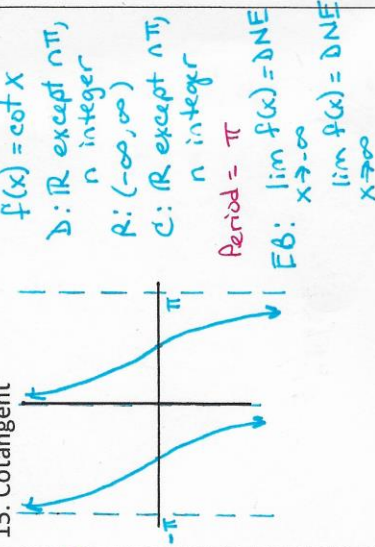
13. Cosecant



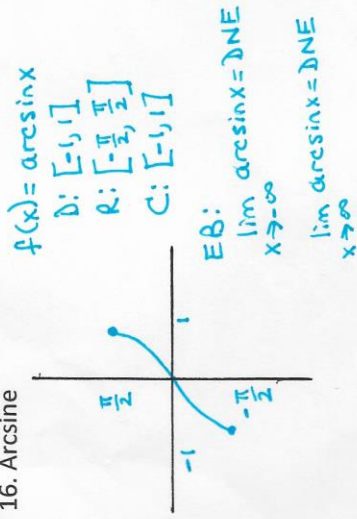
14. Secant



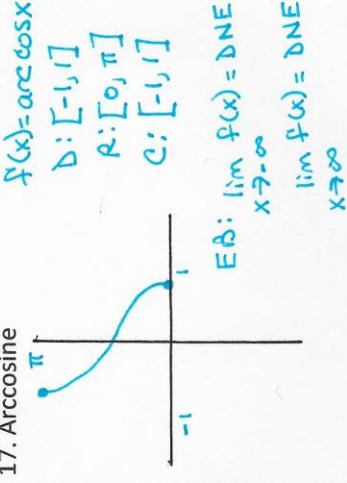
15. Cotangent



16. Arcsine



17. Arccosine



18. Arctangent

