
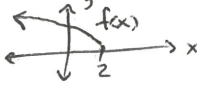
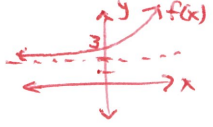

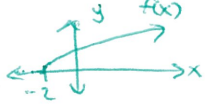
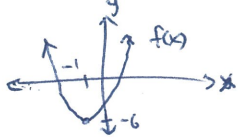
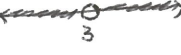
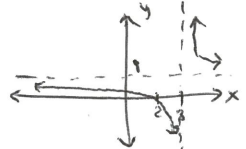



# Walkaround!

Name: Answer Key

Walk around the classroom and complete the problems on colored paper. Work with a partner and make sure to check your answers for each problem.

<p>1. <math>f(x) = \sqrt{2-x}</math>            Domain: <math>(-\infty, 2]</math>            Range: <math>[0, \infty)</math>            Zeros @ <math>x=2</math></p>	$\frac{2-x \geq 0}{+x+x} \Rightarrow 2 \geq x$		
<p>2. <math>f(x) = e^x + 2</math>            Domain: <math>(-\infty, \infty) = \mathbb{R}</math>            Range: <math>(2, \infty)</math>            Zeros @ None</p>	<p>Max @ None            min @ None</p>		
<p>3. <math>f(x) = \sqrt{2+x}</math>            Domain: <math>[-2, \infty)</math>            Range: <math>[0, \infty)</math>            Zeros @ <math>x=-2</math></p>	$\frac{2+x \geq 0}{-2-x} \Rightarrow x \geq -2$		
<p>4. <math>f(x) = x^2 + 2x - 5</math>            Domain: <math>(-\infty, \infty) = \mathbb{R}</math>            Range: <math>[-6, \infty)</math>            Zeros @ <math>x = -3.450, x = 1.450</math></p>	<p>max @ None            min @ <math>(-1, -6)</math>            increasing: <math>(-1, \infty)</math>            decreasing: <math>(-\infty, -1)</math></p>		
<p>5. <math>f(x) = \frac{x-2}{x-3}</math>            Domain: <math>(-\infty, 3) \cup (3, \infty)</math>            Range: <math>(-\infty, 1) \cup (1, \infty)</math>            zeros @ <math>x=2</math></p>	<p>Max @ none            min @ none</p>		
<p>6. <math>f(x) = -x^2 - 2x + 5</math>            Domain: <math>(-\infty, \infty) = \mathbb{R}</math>            Range: <math>(-\infty, 6]</math>            zeros @ <math>x = -3.450, x = 1.450</math></p>	<p>max @ <math>(-1, 6)</math>            min @ None</p>		
<p>7. <math>f(x) = x^3 - 4x + 4</math>            Domain: <math>(-\infty, \infty) = \mathbb{R}</math>            Range: <math>(-\infty, \infty) = \mathbb{R}</math>            Zeros @ <math>x = -2.383</math></p>	<p>max @ <math>(-1.155, 7.079)</math>            min @ <math>(1.155, 0.921)</math>            inc: <math>(-\infty, 1.155) \cup (1.155, \infty)</math>            dec: <math>(-1.155, 1.155)</math></p>		