

## Homework Answers 5.4

### Ready

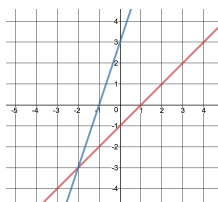
1.  $99^\circ$
2.  $39^\circ$  and  $60^\circ$
3.  $\approx 7.72 \text{ ft}$
4.  $\approx 4.86 \text{ ft}$
5. 12 ft
6.  $\approx 10.39 \text{ ft}$
7.  $\approx 15.25 \text{ ft}$
8.  $\approx 45.75 \text{ ft}^2$

### Set

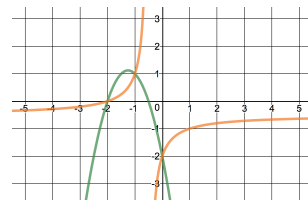
9. 6 in,  $45^\circ$ ,  $45^\circ$ ,  $6\sqrt{2} \text{ in}$
10.  $60^\circ$ , 4 feet,  $4\sqrt{3} \text{ ft}$
11.  $30^\circ$ , 26 cm,  $13\sqrt{3} \text{ cm}$
12.  $30^\circ$ , 11 cm,  $11\sqrt{3} \text{ cm}$
13.  $45^\circ$ ,  $45^\circ$ , 1 cm,  $\sqrt{2} \text{ cm}$
14.  $45^\circ$ ,  $45^\circ$ ,  $6\sqrt{2} \text{ cm}$ ,  $6\sqrt{2} \text{ cm}$
15.  $\frac{\sqrt{2}}{2}$   
 $\frac{\sqrt{2}}{2}$   
1
16.  $\frac{1}{2}$   
 $\frac{\sqrt{3}}{2}$   
 $\frac{\sqrt{3}}{3}$
17.  $\frac{\sqrt{3}}{2}$   
 $\frac{1}{2}$   
 $\sqrt{3}$

### Go

18. Red line
19. Blue line



20. Green line
21. Orange line



22.  $s(x) = x - 1$
23.  $d(x) = 3x + 3$
24.  $p(x) = -2x^2 - 5x - 2$
25.  $q(x) = \frac{-x-2}{2x+1}$