

# ANSWERS FOR 1.4

For use with pages 29-32

## 1.4 Guided Practice

2. B and C

4.  $y = -\frac{1}{2}x + \frac{17}{8}$

6.  $y = \frac{3}{5}x + 3$

8.  $y = \frac{8 - 2x}{x}$

10.  $\frac{A}{\pi b} = a$

12. 2                      14. 2

16. 19                     18. 3

20. 3                      22. -20

24.  $\frac{C}{2\pi} = r$             26.  $\frac{2A}{h} = b$

28.  $\frac{5}{9}(F - 32) = C$

30.  $\frac{A}{2\pi w} = p$  or about 1.75 cm

32.  $\frac{P - 2x}{2\pi} = r; \frac{110}{\pi}$  yd,  
or about 35.0 yd

34.  $\approx 30$  days

36. 111 games

38. 5;  $R$  represents total revenue in dollars,  $p_1$  is the price of a visor in dollars,  $V$  is the total number of visors sold,  $p_2$  is the price in dollars for a baseball cap, and  $C$  is the total number of baseball caps sold.

40.  $A = \frac{C^2}{4\pi}$

42. a.  $S = 10\pi r + 8\pi r^2$

b.  $102\pi$ , or  $\approx 320$   
 $168\pi$ , or  $\approx 528$   
 $348\pi$ , or  $\approx 1093$

44. B

## 1.4 Mixed Review

46.  $1.85x$                 48.  $55x$

50.  $\frac{42}{x}$                       51. 420 m

54. 12 ft                    56. 26 yd

58. -10                     60.  $\frac{14}{9}$

62.  $-\frac{1}{3}$                       64. 12

66.  $-\frac{7}{18}$