Writing linear equations

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

1) Slope $= \dfrac{3}{5}$, y-intercept $= -4$

2) Slope $= -\dfrac{3}{5}$, y-intercept $= -2$

3) Slope $= \dfrac{3}{5}$, y-intercept $= 0$

4) Slope $= \dfrac{5}{2}$, y-intercept $= 5$

5) Slope $= -1$, y-intercept $= 1$

6) Slope $= 1$, y-intercept $= 5$

7) Slope = 4,   y-intercept = 3

8) Slope = $\dfrac{3}{5}$,   y-intercept = 4

9) Slope = $\dfrac{2}{5}$,   y-intercept = -1

10) Slope = -1,   y-intercept = 3

11) Slope = $-\dfrac{3}{2}$,   y-intercept = -2

12) Slope = $\dfrac{1}{2}$,   y-intercept = 1

13) Slope = $-\dfrac{7}{4}$,   y-intercept = 4

14) Slope = $\dfrac{5}{2}$,   y-intercept = -5

15) Slope $= -\dfrac{8}{3}$,   y-intercept $= -3$

16) Slope $= 5$,   y-intercept $= 0$

17) Slope $= -\dfrac{4}{3}$,   y-intercept $= -1$

18) Slope $= \dfrac{5}{4}$,   y-intercept $= 2$

19) Slope $= \dfrac{7}{2}$,   y-intercept $= 5$

20) Slope $= \dfrac{1}{2}$,   y-intercept $= -2$

21) Slope $= -\dfrac{1}{5}$,   y-intercept $= -3$

22) Slope $= -\dfrac{7}{2}$,   y-intercept $= 4$

23) Slope $= -2$, y-intercept $= 3$

24) Slope $= -\dfrac{2}{5}$, y-intercept $= 0$

25) Slope $= -1$, y-intercept $= -1$

26) Slope $= -\dfrac{1}{5}$, y-intercept $= 2$

27) Slope $= 1$, y-intercept $= 1$

28) Slope $= 8$, y-intercept $= 3$

29) Slope $= \dfrac{1}{4}$, y-intercept $= 2$

30) Slope $= \dfrac{9}{5}$, y-intercept $= 4$

Answers to Writing linear equations

1) $y = \dfrac{3}{5}x - 4$

2) $y = -\dfrac{3}{5}x - 2$

3) $y = \dfrac{3}{5}x$

4) $y = \dfrac{5}{2}x + 5$

5) $y = -x + 1$

6) $y = x + 5$

7) $y = 4x + 3$

8) $y = \dfrac{3}{5}x + 4$

9) $y = \dfrac{2}{5}x - 1$

10) $y = -x + 3$

11) $y = -\dfrac{3}{2}x - 2$

12) $y = \dfrac{1}{2}x + 1$

13) $y = -\dfrac{7}{4}x + 4$

14) $y = \dfrac{5}{2}x - 5$

15) $y = -\dfrac{8}{3}x - 3$

16) $y = 5x$

17) $y = -\dfrac{4}{3}x - 1$

18) $y = \dfrac{5}{4}x + 2$

19) $y = \dfrac{7}{2}x + 5$

20) $y = \dfrac{1}{2}x - 2$

21) $y = -\dfrac{1}{5}x - 3$

22) $y = -\dfrac{7}{2}x + 4$

23) $y = -2x + 3$

24) $y = -\dfrac{2}{5}x$

25) $y = -x - 1$

26) $y = -\dfrac{1}{5}x + 2$

27) $y = x + 1$

28) $y = 8x + 3$

29) $y = \dfrac{1}{4}x + 2$

30) $y = \dfrac{9}{5}x + 4$