



Name: _____

Date: _____

Equations Parallel Perpendicular Lines

Solve for x. Show your work.

1. (6,1), parallel to $y = 4x + -1$

2. (2,5), parallel to $y = 3x + -1$

3. (6,3), parallel to $y = 4x + -4$

4. (3,3), parallel to $y = 3x + -5$

5. (3,3), parallel to $y = 3x + 6$

6. (5,5), parallel to $y = 4x + -1$

7. (3,2), parallel to $y = 2x + -5$

8. (6,1), parallel to $y = 4x + -3$



Equations Parallel Perpendicular Lines – Answer Key

1. (6,1), parallel to $y = 4x + -1$
 $y = 4x + -23$

2. (2,5), parallel to $y = 3x + -1$
 $y = 3x + -1$

3. (6,3), parallel to $y = 4x + -4$
 $y = 4x + -21$

4. (3,3), parallel to $y = 3x + -5$
 $y = 3x + -6$

5. (3,3), parallel to $y = 3x + 6$
 $y = 3x + -6$

6. (5,5), parallel to $y = 4x + -1$
 $y = 4x + -15$

7. (3,2), parallel to $y = 2x + -5$
 $y = 2x + -4$

8. (6,1), parallel to $y = 4x + -3$
 $y = 4x + -23$