

**Berechne die Steigung.**

**Bsp)**  $2x - 7y = 56$   
 $-7y = -2x + 56$   
 $y = \frac{2}{7}x - 8$

**Bsp)**  $3x - y = + 6$   
 $-y = -3x + 6$   
 $y = 3x - 6$

1)  $-3x - y = + 9$

2)  $8x + y = - 3$

3)  $8x + 8y = 32$

4)  $4x + 7y = 28$

5)  $-2x + 5y = 25$

6)  $5x - 9y = 18$

7)  $-5x - 5y = - 40$

8)  $2x + 4y = 12$

9)  $2x + 7y = 42$

10)  $-3x - 8y = - 8$

11)  $-6x + y = - 1$

12)  $2x - y = + 3$

13)  $6x - 6y = 42$

14)  $-4x - 9y = - 72$

**Antworten**

Bsp.  $\frac{2}{7}$

Bsp.  $\frac{3}{1}$

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

**Berechne die Steigung.****Antworten**

**Bsp)**  $2x - 7y = 56$   
 $-7y = -2x + 56$   
 $y = \frac{2}{7}x - 8$

**Bsp)**  $3x - y = + 6$   
 $-y = -3x + 6$   
 $y = 3x - 6$

Bsp.  $\frac{2}{7}$

Bsp.  $\frac{3}{1}$

**1)**  $-3x - y = + 9$   
 $-y = 3x + 9$   
 $y = -3x - 9$

**2)**  $8x + y = - 3$   
 $y = -8x - 3$

1.  $\frac{-3}{1}$

2.  $\frac{-8}{1}$

**3)**  $8x + 8y = 32$   
 $8y = -8x + 32$   
 $y = -\frac{8}{8}x + 4$

**4)**  $4x + 7y = 28$   
 $7y = -4x + 28$   
 $y = -\frac{4}{7}x + 4$

3.  $\frac{-8}{8}$

4.  $\frac{-4}{7}$

**5)**  $-2x + 5y = 25$   
 $5y = 2x + 25$   
 $y = \frac{2}{5}x + 5$

**6)**  $5x - 9y = 18$   
 $-9y = -5x + 18$   
 $y = \frac{5}{9}x - 2$

6.  $\frac{5}{9}$

7.  $\frac{-5}{5}$

8.  $\frac{-2}{4}$

**7)**  $-5x - 5y = - 40$   
 $-5y = 5x - 40$   
 $y = -\frac{5}{5}x + 8$

**8)**  $2x + 4y = 12$   
 $4y = -2x + 12$   
 $y = -\frac{2}{4}x + 3$

9.  $\frac{-2}{7}$

10.  $\frac{-3}{8}$

**9)**  $2x + 7y = 42$   
 $7y = -2x + 42$   
 $y = -\frac{2}{7}x + 6$

**10)**  $-3x - 8y = - 8$   
 $-8y = 3x - 8$   
 $y = -\frac{3}{8}x + 1$

11.  $\frac{6}{1}$

12.  $\frac{2}{1}$

13.  $\frac{6}{6}$

**11)**  $-6x + y = - 1$   
 $y = 6x - 1$

**12)**  $2x - y = + 3$   
 $-y = -2x + 3$   
 $y = 2x - 3$

14.  $\frac{-4}{9}$

**13)**  $6x - 6y = 42$   
 $-6y = -6x + 42$   
 $y = \frac{6}{6}x - 7$

**14)**  $-4x - 9y = - 72$   
 $-9y = 4x - 72$   
 $y = -\frac{4}{9}x + 8$