

ESERCIZI

Determinare le equazioni delle rette passanti per il punto P e con coefficiente angolare m .

1. P (5, 6) $m = \frac{1}{2}$

2. P (9, 1) $m = 0$

3. P (4, 12) $m = 1$

4. P (6, 4) $m = \frac{9}{8}$

5. P (6, 1) $m = \frac{14}{3}$

6. P (2, 5) $m = 10$

7. P (3, 1) $m = \frac{3}{2}$

8. P (2, 2) $m = \frac{3}{4}$

9. P (0, 0) $m = \frac{5}{12}$

10. P (7, 8) $m = 6$

ESERCIZI

$$y = mx + q$$

1. P (5, 6) $m = \frac{1}{2}$

$$6 = \frac{1}{2} \times 5 + q \rightarrow q = \frac{7}{2} \rightarrow y = \frac{1}{2}x + \frac{7}{2}$$

2. P (9, 1) $m = 0$

$$1 = 0 \times 9 + q \rightarrow q = 1 \rightarrow y = 1$$

3. P (4, 12) $m = 1$

$$12 = 1 \times 4 + q \rightarrow q = 8 \rightarrow y = x + 8$$

4. P (6, 4) $m = \frac{9}{8}$

$$4 = \frac{9}{8} \times 6 + q \rightarrow q = -\frac{11}{4} \rightarrow y = \frac{9}{8}x - \frac{11}{4}$$

5. P (6, 1) $m = \frac{14}{3}$

$$1 = \frac{14}{3} \times 6 + q \rightarrow q = -27 \rightarrow y = \frac{14}{3}x - 27$$

6. P (2, 5) $m = 10$

$$5 = 10 \times 2 + q \rightarrow q = -15 \rightarrow y = 10x - 15$$

7. P (3, 1) $m = \frac{3}{2}$

$$1 = \frac{3}{2} \times 3 + q \rightarrow q = -\frac{7}{2} \rightarrow y = \frac{3}{2}x - \frac{7}{2}$$

8. P (2, 2) $m = \frac{3}{4}$

$$2 = \frac{3}{4} \times 2 + q \rightarrow q = -1 \rightarrow y = \frac{3}{4}x - 1$$

9. P (0, 0) $m = \frac{5}{12}$

$$0 = \frac{5}{12} \times 0 + q \rightarrow q = 0 \rightarrow y = \frac{5}{12}x$$

10. P (7, 8) $m = 6$

$$8 = 6 \times 7 + q \rightarrow q = -34 \rightarrow y = 6x - 34$$