



Risolvi ogni problema. Scrivi la tua risposta come un decimale arrotondato a 2 posizioni.

1) $-3x^2 = -(-2x + 5)$

2) $-8x^2 = -(20x - 12)$

3) $4x^2 - 15x - 4$

4) $-10x^2 = -(-21x - 9)$

5) $20x^2 = -(33x + 10)$

6) $3x^2 - 14x + 15$

7) $-4x^2 - 21x - 20$

8) $-16x^2 + 20x - 4$

9) $20x^2 - 41x + 20$

10) $-4x^2 + 7x - 3$

Risposte

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Risolvi ogni problema. Scrivi la tua risposta come un decimale arrotondato a 2 posizioni.

$$1) -3x^2 = -(-2x + 5)$$

$$\frac{2 \pm \sqrt{-22 - 4(-3)(5)}}{-6}$$

$$\frac{2 \pm 8}{-6}$$

$$x_+ = -\frac{5}{3}$$

$$x_- = -\frac{1}{3}$$

$$2) -8x^2 = -(20x - 12)$$

$$\frac{-20 \pm \sqrt{202 - 4(-8)(-12)}}{-16}$$

$$\frac{-20 \pm 4}{-16}$$

$$x_+ = -\frac{1}{4}$$

$$x_- = -\frac{3}{4}$$

$$3) 4x^2 - 15x - 4$$

$$\frac{15 \pm \sqrt{-152 - 4(4)(-4)}}{8}$$

$$\frac{15 \pm 17}{8}$$

$$x_+ = \frac{4}{8}$$

$$x_- = -\frac{1}{4}$$

$$4) -10x^2 = -(-21x - 9)$$

$$\frac{21 \pm \sqrt{-212 - 4(-10)(-9)}}{-20}$$

$$\frac{21 \pm 9}{-20}$$

$$x_+ = -\frac{3}{2}$$

$$x_- = -\frac{3}{5}$$

$$5) 20x^2 = -(33x + 10)$$

$$\frac{-33 \pm \sqrt{332 - 4(20)(10)}}{40}$$

$$\frac{-33 \pm 17}{40}$$

$$x_+ = -\frac{2}{5}$$

$$x_- = -\frac{5}{4}$$

$$6) 3x^2 - 14x + 15$$

$$\frac{14 \pm \sqrt{-142 - 4(3)(15)}}{6}$$

$$\frac{14 \pm 4}{6}$$

$$x_+ = \frac{3}{1}$$

$$x_- = \frac{5}{3}$$

$$7) -4x^2 - 21x - 20$$

$$\frac{21 \pm \sqrt{-212 - 4(-4)(-20)}}{-8}$$

$$\frac{21 \pm 11}{-8}$$

$$x_+ = -\frac{4}{8}$$

$$x_- = -\frac{5}{4}$$

$$8) -16x^2 + 20x - 4$$

$$\frac{-20 \pm \sqrt{202 - 4(-16)(-4)}}{-32}$$

$$\frac{-20 \pm 12}{-32}$$

$$x_+ = -\frac{1}{4}$$

$$x_- = -\frac{1}{4}$$

$$9) 20x^2 - 41x + 20$$

$$\frac{41 \pm \sqrt{-412 - 4(20)(20)}}{40}$$

$$\frac{41 \pm 9}{40}$$

$$x_+ = \frac{5}{4}$$

$$x_- = \frac{4}{5}$$

$$10) -4x^2 + 7x - 3$$

$$\frac{-7 \pm \sqrt{72 - 4(-4)(-3)}}{-8}$$

$$\frac{-7 \pm 1}{-8}$$

$$x_+ = -\frac{3}{4}$$

$$x_- = -\frac{1}{4}$$

Risposte

1. **-1,67 , 1,00**
2. **1,00 , 1,50**
3. **4,00 , -0,25**
4. **-1,50 , -0,60**
5. **-0,40 , -1,25**
6. **3,00 , 1,67**
7. **-4,00 , -1,25**
8. **0,25 , 1,00**
9. **1,25 , 0,80**
10. **0,75 , 1,00**