
The deadline for all homework assignments is the one specified in Archie before 11:59 pm. As discussed in class, It must be correctly uploaded in order to be graded. Show all your work and justifications.

For Exercises 15–22, solve by applying the zero product property.

$$15. n^2 + 5n = 24 \quad \{-8, 3\}$$

$$16. y^2 = 18 - 7y \quad \{-9, 2\}$$

$$18. 6m(m + 4) = m - 15 \quad \left\{-\frac{5}{6}, -3\right\}$$

$$19. 40p^2 - 90 = 0 \quad \left\{\frac{3}{2}, -\frac{3}{2}\right\}$$

$$21. 3x^2 = 12x \quad \{0, 4\}$$

$$22. z^2 = 25z \quad \{0, 25\}$$

$$17. 8t(t + 3) = 2t - 5 \quad \left\{-\frac{5}{2}, -\frac{1}{4}\right\}$$

$$20. 32n^2 - 162 = 0 \quad \left\{\frac{9}{4}, -\frac{9}{4}\right\}$$