

Completely factor each of the following polynomials.

(1) $x^2 - 25 =$

(2) $9x^2 - 16 =$

(3) $\frac{9}{25}x^2 - 49 =$

(4) $7x^2 - 14x =$

(5) $36y^2 - 121 =$

(6) $5k^2 - 20 =$

(7) $5x^3 - 20x =$

(8) $15t^5 - 60t^3 =$

(9) $9w^2 - 25 =$

(10) $5t^5 - 20t^3 =$

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

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

(13) $x^2 + 21x + 20 =$

(14) $x^2 - 12x + 35 =$

(15) $y^2 - 4y - 21 =$

(16) $y^2 - 5y - 24 =$

(17) $k^2 + 4k - 45 =$

(18) $k^2 + 3k - 40 =$

(19) $w^2 + 2w - 63 =$

(20) $w^2 + 16w + 63 =$

(21) $3x^2 + 8x - 11 =$

$$(22) \quad 5k^2 + 3k - 8 =$$

$$(23) \quad 10y^2 - 3y - 7 =$$

$$(24) \quad 3y^2 - 8y - 11 =$$

$$(25) \quad 5k^2 - 3k - 8 =$$

$$(26) \quad 5y^2 - 3y - 14 =$$

$$(27) \quad 3y^2 - 5y - 50 =$$

$$(28) \quad 3x^2 - 4x - 4 =$$

$$(29) \quad 4x^2 - 5x - 9 =$$

$$(30) \quad 6x^2 - 5x - 14 =$$

$$(31) \quad x^3 + 10x^2 + x + 10 =$$

$$(32) \quad x^3 - 10x^2 - x + 10 =$$

$$(33) \quad 2x^3 + 12x^2 + 3x + 18 =$$

$$(34) \quad 2x^3 + 6x^2 - 5x - 15 =$$

$$(35) \quad 5x^3 - 10x^2 + 3x - 6 =$$