Name_____

Write the appropriate **solutions**.
The problems have already been factored.

1. $9k(k-4)(5k+3)=0$ 1. k = { }

2. $7(m-5)(m+2)=0$ 2. m = { }

3. $3f(2f-5)(3f+1)=0$ 3. f = { }

4. $(5x+7)(3x-11)=0$ 4. x = { }

5. $5(r-3)(r+3)=0$ 5. r = { }

Factor completely then write the appropriate **solutions**.

A. $2y^2+13y=24$ A. y = { }

B. $6p^2+5=-17p$ B. p = { }

C. $5b^3+34b^2=7b$ C. b = { }

D. $2k^3 - 21k = k^2$ D. k = { }

E. $y^2 - 289 = 0$ E. y = { }

Factor completely then write the appropriate **solutions**.

1. $\frac{3}{4}h^2 + \frac{7}{8}h - h = 0$ 1. h = { }

2. $\frac{1}{12}f^2 - \frac{2}{3}f - 4 = 0$ 2. f = { }

3. $g^2 - \frac{g}{5} = \frac{4}{5}$ 3. g = { }

4. $\frac{w^2}{10} - \frac{7w}{10} = \frac{9}{5}$ 4. w = { }

Factor completely then write the appropriate **solutions**.

A. $(v-1)(v-1)=36$ A. v = {_____}

B. $(3z+2)(z+3)=z+14$ B. z = {_____}

Factor completely then write the appropriate **solutions**.

1. $(2x-1)(3x+7)=3x^2-2x+3$ 1. x = {_____}

2. $(c-5)(c-5)=4$ 2. c = {_____}

3. $(4y-3)(y+2)=y^2+18y-16$ 3. y = {_____}

4. $3g^2-13g=-14$ 4. g = {_____}

Factor completely then write the appropriate **solutions**.

A. $3x^3 + 11x^2 - x - 15 = (2x + 3)(x - 5)$ A. x = {_____}

B. $h^4 - 4h^2 + 64 = (5h - 6)(5h + 6)$ B. h = {_____}