

Answers to Factoring Refresher (ID: 1)

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|-------------------------|------------------------|-------------------------|-------------------------|
| 1) $(5x^2 + 3)(3x + 8)$ | 2) $(4b^2 + 5)(b + 1)$ | 3) $(3v^2 - 2)(2v + 1)$ | 4) $(4n^2 - 3)(2n + 5)$ |
| 5) $r(r + 9)$ | 6) $a(a - 7)$ | 7) $(a + 8)(a - 4)$ | 8) $a(a + 8)$ |
| 9) $(3b + 1)(b - 9)$ | 10) $(5x - 8)(x - 8)$ | 11) $(5n - 7)(n - 8)$ | 12) $k(2k - 1)$ |
| 13) $(n - 4)(8n - 5)$ | 14) $(x - 6)(9x - 10)$ | 15) $(3x - 10)(2x - 5)$ | |

Answers to Solve by Factoring

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|-------------------------------------------|-------------------------------------------|------------------------------------|-----------------------------------|
| 1) $\{n = \frac{3}{7}, n = 0\}$ | 2) $\{x = -4, x = -3\}$ | 3) $\{a = -\frac{7}{5}, a = -6\}$ | 4) $\{b = -3, b = 0\}$ |
| 5) $\{r = \frac{8}{5}, r = \frac{8}{3}\}$ | 6) $\{n = \frac{7}{6}, n = \frac{5}{2}\}$ | 7) $\{r = -\frac{2}{3}, r = 4\}$ | 8) $\{k = 1, k = 0\}$ |
| 9) $\{x = 7, x = -5\}$ | 10) $\{x = 6, x = -2\}$ | 11) $\{x = 2, x = -2\}$ | 12) $\{n = -5, n = 8\}$ |
| 13) $\{x = -3, x = 0\}$ | 14) $\{m = -\frac{7}{5}, m = -6\}$ | 15) $\{x = -\frac{3}{8}, x = -2\}$ | 16) $\{n = -\frac{7}{2}, n = 3\}$ |
| 17) $\{x = \frac{4}{3}, x = 3\}$ | | | |