

ALGEBRA, FACTORING, RADICALS REVIEW SHEET

FOR GR 11, 12

Answers:

Algebra

- 6
- 12
- $\frac{-8}{3}$
- 12
- 2
- 15
- 3
- $\frac{-40}{7}$
- 3
- 3
- 5
- $\frac{-32}{15}$
- 3
- $\frac{21}{8}$
- \Re
- $\frac{15}{4}$
- 2
- $\frac{-7}{6}$
- $\frac{-7}{2}$
- 10
- 1
- 2
- 7
- 6

Factoring:

- $4m^2(2m - 1)$
- $(m + 4)^2$
- $(a - 5)(a + 4)$
- $(a + 6)(a - 6)$
- $(a + 12b)(a + 2b)$
- $(4x - 3)(x - 1)$
- $8(a + 3)(a - 3)$
- $(x - 5y)(x + 5y)(x + 2y)(x - 2y)$
- $-4(y^2 - 3)(3y^2 + 2)$
- $(c + 25d)(c - 4d)$
- $(2x - 5)(3x + 1)$
- $(x - 5)(6x - 1)$

- $(2a - 3c)(2a + 3c)$
- $4(x + 3)(x - 8)$
- $(x - 24)(x + 5)$
- $3(x - 2)(4x + 3)$
- $(y - 4)(y + 2)$
- $(3x + 1)(3x - 1)(9x^2 + 1)$
- $(2x - 1)^2$
- $(5x - 3)(2x + 1)$
- $5(x + 2)(x + 1)$
- $(x - 1)(5x - 2)$
- $(2a + 5)(4a - 1)$
- $(x + 2)(x - 2)(x + \sqrt{10})(x - \sqrt{10})$

Radicals:

- $3\sqrt{5}$
- $\sqrt{70}$
- $6\sqrt{2}$
- $2^3\sqrt{5}$
- $3^3\sqrt{4}$
- $4\sqrt{5}$
- $3\sqrt{2}$
- $4\sqrt{2}$
- $3^3\sqrt{2}$

REVIEW:

- $-\frac{1}{40}$
- $-\frac{49}{4}$
- $\frac{9}{10}$
- $\frac{16x^{16}y^4}{625}$
- $\frac{(36x - 5)^2 \left(\frac{7x}{7x - 11} \right)^3}{144}$
- 2187

- $-\frac{2}{x^4}$
- 34
- $\frac{647}{5}$
- 0
- $\frac{27}{125}$
- $\frac{100}{81y^2}$
- $\left(\frac{8}{7} \right)^{\frac{7}{2}}$
- a) 194.54
b) 200
c) 190
d) 194.5
e) 195
- a) 9
b) 9.0
c) 9.039
- a) \$4.30
b) \$4.00
- a) -8
b) -8.4
c) -10
d) -8.45
- a) 6.8
b) 6.77
c) 7
- a) -16.9
b) -16.94
c) -16.9
- a) -1.1
b) -1
c) -1.122
d) -1.12
- 49%