

Exam 1 Review - Solutions

MAT 1275 Spring 2022

1. $\frac{625}{4}$

2. (a) a^5b^2

(b) $\frac{12b^2}{a^2}$

(c) $\frac{-14b^2}{a^2}$

(d) $\frac{y^{10}}{625x^{18}}$

3. (a) $y = -5x + 8$

(b) $y = -5x + 8.$

(c) $y + 4x = -3$

4. .

(a) $(1, 2)$

(b) $(5, 4)$

(c) $(-3, 4, 1)$

5. (a) $2(x - 2)(3x + 5)$

(b) $3y^2(3y - 4)(2y + 5)$

(c) $2(5 + 2y)(5 - 2y)$

6. Solve.

(a) $x = 0, x = -2, x = 2$

(b) $x = 8, x = -3$

(c) $x = 2, x = \frac{-4}{5}$

(d) $x = -1, x = \frac{2}{9}$