

Friday's Test.

- 2 questions from Unit one.

1. Let $f(x) = 3x - 8$

a) calculate $f(9) = 3(9) - 8$

$$f(9) = 27 - 8$$

$$f(9) = 19$$

b) Find the x so that $\boxed{f(x)} = -2$

$$-2 = 3x - 8$$

$$6 = 3x$$

$$2 = x$$

$$\therefore f(2) = -2$$

2. Graph using transformations and state domain and range.

UC $\rightarrow$ quadratic

U $\rightarrow$ ~~linear~~, ~~quadratic~~, square root, absolute value
reciprocal

The 4 transformations

a = vertical stretch

$1/k$ = Horizontal stretch

d = horizontal shift

c = vertical shift.

Unit 2. Rational Expressions

→ simplifying: $\frac{x^2 - 3x + 2}{x^2 - 4x + 4}$ 2-3

→ multiplying and dividing 2
u only

→ adding and subtracting
1

→ 1 combination question.

Pg 112 # 5 a c e

Pg 122 # 6, 8 u only

Pg 133 # 14, 15 f u only