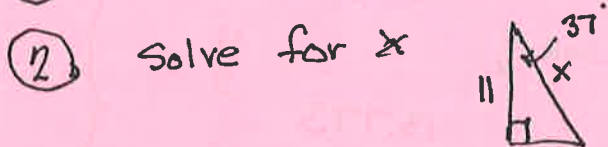


ch. 1 Review 2

Do the problems below on a separate sheet of paper. Make sure you can find your answer in the test bank. Have your reference sheet out.

① Given $f(x) = x^2 - 3x$, find $f(-8)$



③ FACTOR $x^2 - 7x - 18$

④ Solve the equation: $(5n-1)(n+1) = 0$

⑤ Find the y-intercept of $y = 5x^2 - 6x + 7$

⑥ For $f(x) = -x^2 + 4x + 2$, find the vertex and write the domain and range.

⑦ Find angle A



⑧ Simplify: $(2x^3)(4x^5)$

⑨ Solve the equation: $\frac{x+1}{3} = \frac{x}{2}$

⑩ Solve $2x^2 + 7x + 6 = 0$ by factoring and then using Z.P.P.

⑪ Using your GDC find the intersection(s) of $f(x) = x^2 - 10x + 25$ and $g(x) = \sqrt{x+3} + 4$

⑫ Solve $-16 + 5n = -7(-6 + 8n) + 3$

⑬ Solve $2x^2 = 13x + 7$ using the Quadratic Formula

⑭ Find the x-intercepts algebraically of $f(x) = \sqrt{x-5} - 4$

⑮ Find the intersections algebraically of the two functions:

$y = \frac{1}{2}x + 6$ $y = -x + 12$

⑯ Find m



⑰ Solve $(x-2)^2 = 81$

⑱ $f(n) = n^2 - 25$
find n if $f(n) = 11$

check answers in the answer bank on the back side

Consider looking through warm ups you still have to review.

Consider looking through your notes.

$(20, 0)$
 $3 \text{ and } \frac{1}{3}$ $7 \text{ and } -\frac{1}{2}$ $\frac{4}{3}$
 $\frac{2}{3}$ $(3.248, -3.216)$ 13.773
 $(2, 16)$ $-1 \text{ and } \frac{1}{5}$ $0 \text{ and } 1.5$
 68.199 $3 \text{ and } 1.5$ 8
 $6 \text{ and } -6$ $(0, 23)$ 7 $11 \text{ and } -7$
 $8x^{10}$ 1 2 22.627 $-\infty < x < \infty$
 23.171 88 $(4, 8)$
 $(2, 481, 6.341)$ $\frac{5}{3}$ $8x^8$
 $(x+2)(x-9)$ $-\infty < y \leq 16$ $(21, 6)$

ANSWER BANK

