You will be taking a Basic Skills Quiz each Friday.

At the end of the quarter, your best three grades will be averaged and count as a 100 point test.

Once you have earned an A on two of these quizzes, you may choose exemption from further quizzes for the rest of the quarter.

Topics on Quarter 4 Skills Quizzes (A Calculator is permitted on these 4th quarter skills quizzes.)

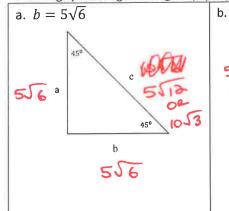
1. Solve Equation that is Already Factored (3 pts.)

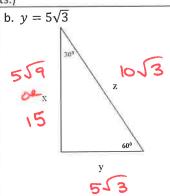
| 1. Solve Equation that is Already ractioned (5 pts.) | | | | | | |
|--|---------------------------------------|--------------------|---------------------------|--|--|--|
| a. $(x-6)(x+3)=0$ | b. $(x)(x+9)=0$ | c. $(2x-1)(x-9)=0$ | d. $(3x + 7)(2x - 5) = 0$ | | | |
| u. (x 0)(x 1 0) | D. (N)(N 1 3) | J. (27) | ` | | | |
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| | | | | | | |
| | 1 | | | | | |
| | | | _2 5 | | | |
| | G | \ 0 | | | | |
| x = 6, -3 | X=0,-9 | x= 1 9 | X= 3, 2 | | | |
| | , , , , , , , , , , , , , , , , , , , | ^ - 4) | - , - | | | |
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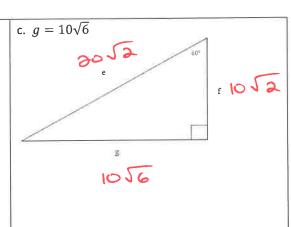
2. Solving a Quadratic Equation using Various Methods (6 pts.)

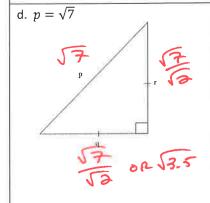
| 2. Solving a Quadratic Equation using various | | 3 |
|---|--------------------------|--------------------------|
| a. Solve $x^2 - 10x = 39$ by either | Solve $x^2 - 10x = 39$. | Solve $x^2 - 10x = 39$. |
| factoring and zpp, completing the square | | |
| | | |
| and solving, or the quadratic formula. | | |
| | | |
| | | |
| | | |
| | = 13, -3 | |
| X | | |
| | | |
| | | |
| | | |
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| | | |
| b. Solve $x^2 - 8x = 33$ by either | Solve $x^2 - 8x = 33$. | Solve $x^2 - 8x = 33$. |
| | JUIVE 1 - 01 - 33. | 301VC x 0x = 33. |
| factoring and zpp, completing the square | | |
| and solving, or the quadratic formula. | | |
| , | | |
| | 2 | |
| | 11 -3 | |
| | X = 11, -3 | |
| | X - 11 | |
| | | |
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| | | |
| | | |
| | | |
| c. Solve $x^2 - 4x = 21$ by either | Solve $x^2 - 4x = 21$. | Solve $x^2 - 4x = 21$. |
| factoring and zpp, completing the square | | |
| | | |
| and solving, or the quadratic formula. | | |
| | | |
| | X=7,-3 | |
| | 1 - 5 | |
| | 1 1 = 71 | |
| | X - ' | |
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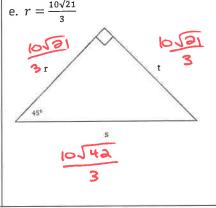
3. Solving Special Right Triangles (6 pts.)

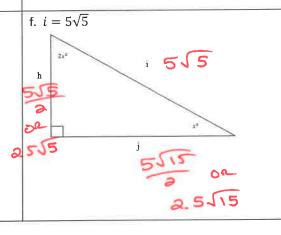












4. Identify the Percent Increase and Decrease for each. (3 pts.)

| a. 100 → 140 | | | b. 100 → 170 | c. 100 → 200 |
|--------------|-----|-------|--------------|--------------|
| | 40% | 112 C | 70% Ne | 100% 120 |
| d. 80 → 140 | | | e. 80 → 200 | f. 150 → 160 |
| | 75% | 170 | 150% 180. | 6.6% mc |
| | | | | |

5. Solving The Right Triangle (6 pts.)

You will be given 3 bits of information about a triangle.

- a. A Right Angle
- b. A Side Length
- c. Either another Side Length or an Angle Measurement called Theta (heta)

Be aware that the triangle used for these questions is not necessary drawn to scale.

