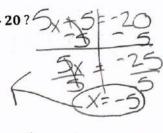
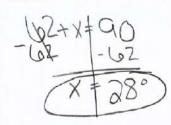
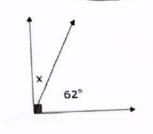
## udy Guide FINAL EXAM - Part 2

1. What is the solution to the equation 5(x+1) = -20?

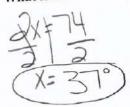


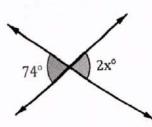
2. What is the measure of *x* in the figure?



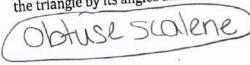


3. What is the value of *x* in the figure?

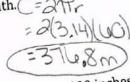




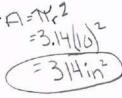
4. A triangle has angle measures of 145°, 25°, and  $10^\circ$ . The triangle has no congruent sides. Classify the triangle by its angles and sides.



- 5. What is the scale factor of a drawing if the scale is 1 inch = 6 feet?  $\frac{\ln n}{\ln n} = \frac{\ln n}{12 \ln n}$ 10th need to be some units
- 6. If Michelle rollerblades around a circular track with a radius of 60 meters, how far does she skate? Use 3.14 for pi. Round to the nearest tenth. C = 2 Tr



- 7. A large pizza at Angelo's Pizzeria has a diameter of 20 inches. What is the area of the pizza? Use
- 3.14 for pi. Round to the nearest tenth.



8. What is the volume of the pyramid shown?
$V=\frac{1}{3}lwh$ or $V=\frac{1}{3}Bh$ $=\frac{1}{3}(10)(8)(6)$ $=\frac{1}{3}(80)(6)$ $=\frac{1}{3}(80)(6)$ $=\frac{1}{3}(80)(6)$ $=\frac{1}{3}(80)(6)$ $=\frac{1}{3}(80)(6)$ $=\frac{1}{3}(80)(6)$ $=\frac{1}{3}(80)(6)$ $=\frac{1}{3}(80)(6)$
9. What is the surface area of the rectangular prism shown?
10. The square pyramid has base side lengths of 10 centimeters and a slant height of 12 centimeters. What is the total surface area of the pyramid? $A = \frac{1}{2} 1$
11. A jar contains 6 pennies, 4 nickels, 5 dimes, and 3 quarters. If a coin is selected at random, what is the probability of selecting a penny?  Repeny = 4 ib 3
12. Find the number of possible outcomes of tossing a penny five times.
13. A computer store builds custom computers by allowing customers to choose 1 of 5 different CPUs, 1 of 4 hard drives, and 1 of 6 video cards. How many different computers are possible?
14. In an obstacle course race, how many ways can six finalists be ordered?
15. Create two dependent events.
Pulling a marble from a bag not replacing it & pulling another marble.

