## Section I - +/- Feet & Inches

# 406

2. 
$$9'3'' - 4'6'' =$$

6. 
$$16'3'' + 8'6'' =$$

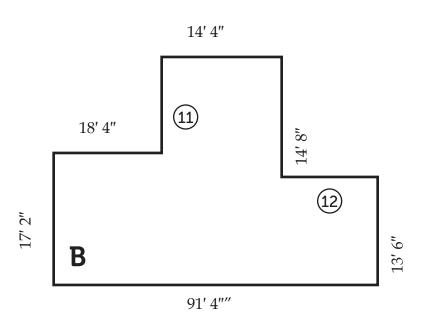
4. 
$$11'2'' - 2'1'' =$$

8. 
$$15'2'' - 9'4'' =$$

Drawing Is Not To Scale

406

99, 2" **A**(9)
(10)
(15, 4"



Side Length Side Length

Shape Perimeter

9

11)

A (13)

10

12

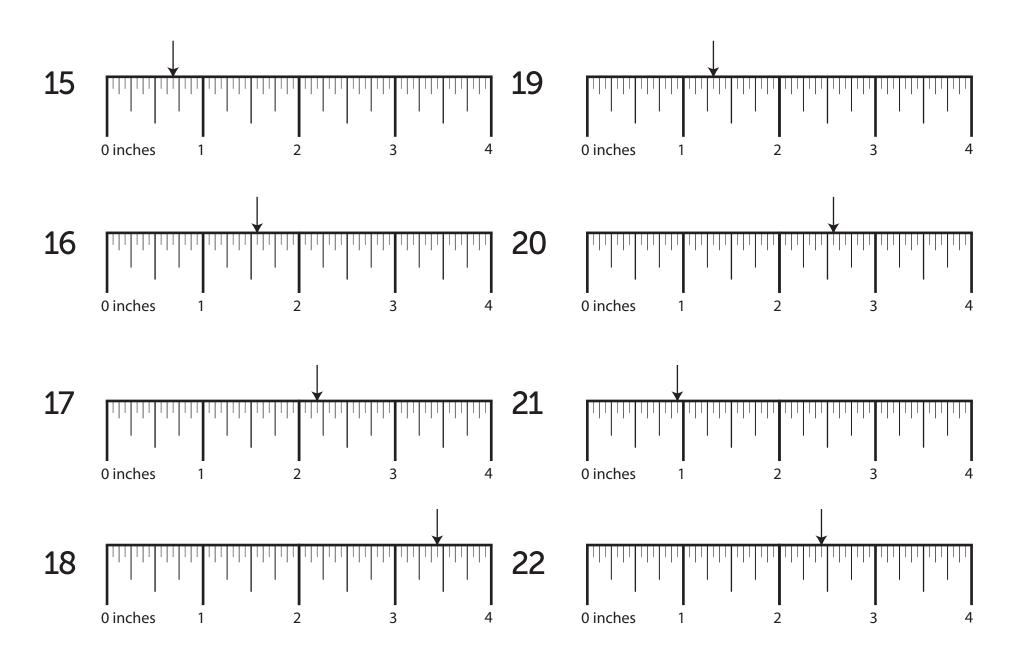
B (14)

NAN 131-25

### DRAWING IS NOT TO SCALE

Trades Math Midterm

#### Section III — Ruler Measurements



#### Section IV — More/Less Than

## 406

23. What is  $\frac{1}{8}$  more than 5  $\frac{1}{4}$ ? 27. What is  $\frac{3}{16}$  less than 1  $\frac{1}{4}$ ?

24. What is  $\frac{1}{8}$  less than 5  $\frac{3}{16}$ ? 28. What is  $\frac{5}{16}$  less than 4  $\frac{1}{16}$ ?

25. What is \% more than 3 \%? 29. What is \% less than 3 \%?

26. What is  $\frac{1}{6}$  less than 5  $\frac{1}{2}$ ? 30. What is  $\frac{1}{4}$  more than 4  $\frac{1}{8}$ ?

### Section V — Nail Penetration & Screw Hole Bits

#### How far will a ...

What size drill bit will you need to drill a ...

- **31.**  $10 \frac{1}{2}$  box gauge nail penetrate a  $1 \frac{1}{2}$ " green joist?
- **35**. countersink hole for a 24 gauge screw?

- **32**. 11 ½ box gauge nail penetrate a 4" green mast?
- **36**. clearance hole for a 2 gauge screw?

- **33**. 2 penny nail penetrate a 4 ½" green girder?
- **37.** pilot hole for a 20 gauge screw?

- **34.** 9 box gauge nail penetrate a ½" dry frame?
- **38.** clearance hole for a 6 gauge screw?