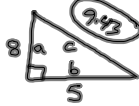
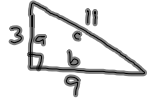


1.)	26	12.)	no
2.)	13	14.)	no
3.)	9.43	16.)	no
4.)	15.81	18.)	yes
5.)	11.31	20.)	no
6.)	17.89	22.)	15.30
7.)	20	24.)	15.65
8.)	12.96	26.)	34.41
9.)	39.55	28.)	a=18.96 b=6.32
10.)	6.24	30.)	a=28.85 b=43.27

3) $a=8$ $b=5$ $c=?$ 12) 3, 9, 11

$$a^2 + b^2 = c^2$$

$$(8)^2 + (5)^2 = c^2$$

$$64 + 25 = c^2$$

$$\sqrt{89} = \sqrt{c^2}$$

$$9.43 = |c|$$

$$a^2 + b^2 = c^2$$


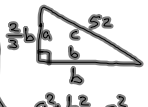
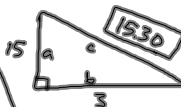
$$(3)^2 + (9)^2 = (11)^2$$

$$9 + 81 = 121$$

$$90 = 121$$

Not a right triangle

18) $3a, 4a, 5a$ 22) $a=15$ $b=\frac{1}{3}a$ $c=?$

$$a^2 + b^2 = c^2$$

$$(3a)^2 + (4a)^2 = (5a)^2$$

$$9a^2 + 16a^2 = 25a^2$$

$$25a^2 = 25a^2$$

yes right triangle

$$a^2 + b^2 = c^2$$

$$\left(\frac{2}{3}a\right)^2 + b^2 = 52^2$$

$$\frac{4}{9}a^2 + b^2 = 2704$$

$$9\left(\frac{13}{9}b\right)^2 = 2704$$

$$13b^2 = 24336$$

$$\sqrt{13}b = 1872$$

$$|b| = 43.27$$

$$a^2 + b^2 = c^2$$

$$(15)^2 + (3)^2 = c^2$$

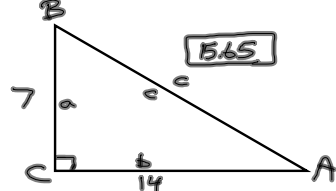
$$225 + 9 = c^2$$

$$\sqrt{234} = \sqrt{c^2}$$

$$15.30 = |c|$$

24) $a = \frac{1}{2}b$ $b=14$ $c=?$

$a = \frac{1}{2}(14)$
 $a = 7$



$$a^2 + b^2 = c^2$$

$$7^2 + 14^2 = c^2$$

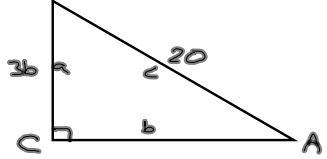
$$49 + 196 = c^2$$

$$\sqrt{245} = \sqrt{c^2}$$

$$15.65 = |c|$$

28) $a=3b$ $b=?$ $c=20$

$a=18.96$ $b=6.32$



$$a^2 + b^2 = c^2$$

$$(3b)^2 + b^2 = 20^2$$

$$9b^2 + b^2 = 400$$

$$10b^2 = 400$$

$$\sqrt{10}b = \sqrt{400}$$

$$|b| = 6.32$$