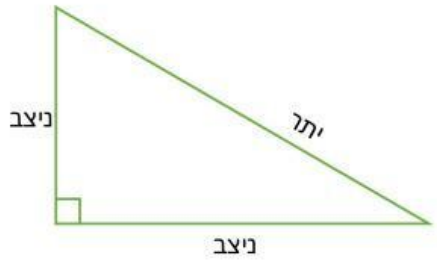
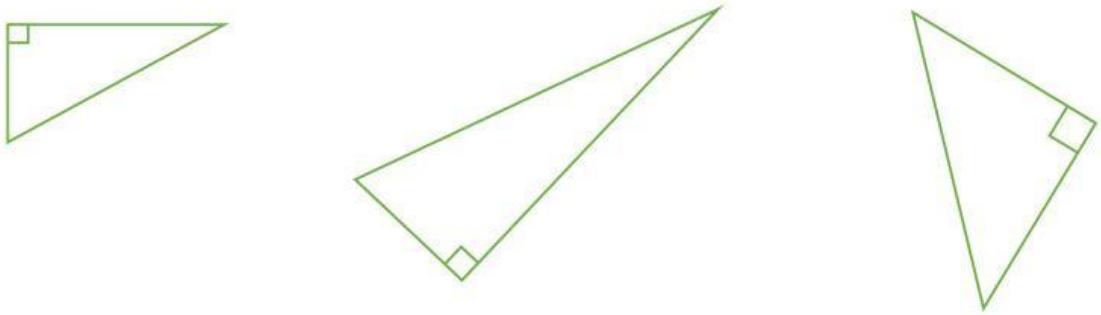
משפט פיתגורס



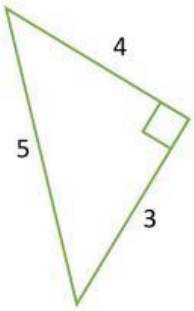
תרגיל 1: בכל משולש רשמו לכל צלע האם מדובר בניצב או ביתר (תזכורת: הניצבים "מתחברים" בזווית הישרה – איפה שמופיעה הקובייה)



תרגיל 2: במשולשים הבאים השלימו את הכתיבה של משפט פיתגורס.

תזכורת למשפט פיתגורס: $(\text{ניצב})^2 + (\text{ניצב})^2 = (\text{יתר})^2$

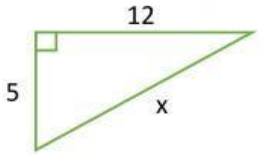
דוגמה:



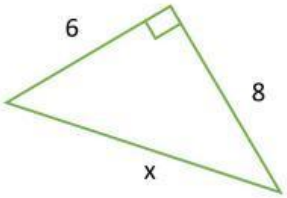
$$4^2 + 3^2 = 5^2$$

LIVEWORKSHEETS

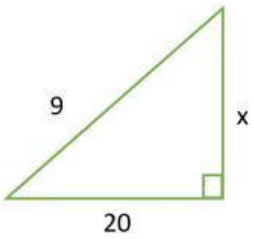
$^{2} + \quad ^{2} = \quad ^{2}$



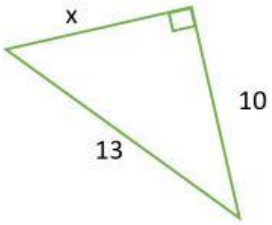
$^{2} + \quad ^{2} = \quad ^{2}$



$^{2} + \quad ^{2} = \quad ^{2}$



$^{2} + \quad ^{2} = \quad ^{2}$

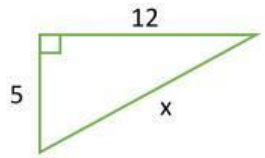


LIVEWORKSHEETS

תרגיל 3 – כתבו את משפט פיתגורס המתאים ומצאו את הצלע החסרה:

דוגמאות:

.1

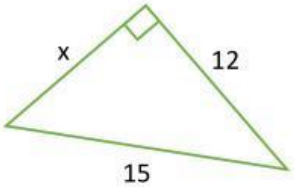


$$12^2 + 5^2 = x^2$$

$$169 = x^2 \ / \ \sqrt{}$$

$$13 = x$$

.2



$$12^2 + x^2 = 15^2$$

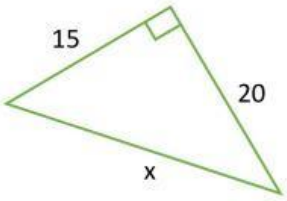
$$144 + x^2 = 225 \ / \ -144$$

$$x^2 = 225 - 144$$

$$x^2 = 81 \ / \ \sqrt{}$$

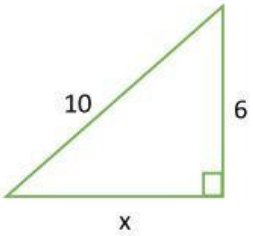
$$x = 9$$

תרגילים:



$$^2 + \quad ^2 = \quad ^2$$

$$x =$$



$$^2 + \quad ^2 = \quad ^2$$

$$x =$$

LIVEWORKSHEETS