$\qquad$ CLASS WORK
4.2 Pythagorean Theorem - CW
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1. In $\triangle T P K$ below, $\mathrm{TP}=10$ and $\mathrm{PK}=16$, what is the measure of TK to the nearest tenth.
$K \quad P$

2. In $\triangle H L P$ below, $\mathrm{HL}=15$ and $\mathrm{LP}=7$, what is the measure of HP to the nearest tenth.

3. In $\triangle C Z S$ below, $\mathrm{CZ}=9$ and $\mathrm{ZS}=9$, what is the measure of CS to the nearest tenth.
$S$

4. In $\triangle I H B$ below, $\mathrm{IH}=13$ and $\mathrm{HB}=12$, what is the measure of IB to the nearest hundredth.

5. In $\triangle Y M D$ below, $\mathrm{YM}=14$ and $\mathrm{YD}=158$, what is the measure of MD to the nearest whole number.
D

6. In $\triangle U C K$ below, $\mathrm{UC}=11$ and $\mathrm{CK}=9$, what is the measure of UK to the nearest whole number.

7. In $\triangle B U T$ below, $\mathrm{BU}=10$ and $\mathrm{BT}=148$, what is the measure of UT to the nearest hundredth.

8. In $\triangle R E W$ below, $\mathrm{RE}=14$ and $\mathrm{RW}=278$, what is the measure of EW to the nearest thousandth.

9. In $\triangle H P A$ below, $\mathrm{HP}=1$ and $\mathrm{HA}=2$, what is the measure of PA to the nearest thousandth.


H
10. In $\triangle A R L$ below, $\mathrm{AR}=14$ and $\mathrm{AL}=182$, what is the measure of RL to the nearest whole number.

12. In $\triangle V F I$ below, $\mathrm{VF}=7$ and $\mathrm{VI}=56$, what is the measure of FI to the nearest thousandth.
I


V
13. In $\triangle G U P$ below, $\mathrm{GU}=12$ and $\mathrm{UP}=8$, what is the measure of GP to the nearest tenth. $P$


G
$U$
15. In $\triangle S X Y$ below, $\mathrm{SX}=2$ and $\mathrm{SY}=26$, what is the measure of XY to the nearest hundredth.

14. In $\triangle D V H$ below, $\mathrm{DV}=1$ and $\mathrm{DH}=8$, what is the measure of VH to the nearest thousandth.

16. In $\triangle C N Z$ below, $\mathrm{CN}=12$ and $\mathrm{NZ}=13$, what is the measure of CZ to the nearest whole number.

17. In $\triangle D X Z$ below, $\mathrm{DX}=13$ and $\mathrm{XZ}=6$, what is the measure of DZ to the nearest thousandth.

19. In $\triangle W G T$ below, $\mathrm{WG}=11$ and $\mathrm{WT}=188$, what is the measure of GT to the nearest thousandth. T G

20. In $\triangle F N Z$ below, $\mathrm{FN}=6$ and $\mathrm{FZ}=26$, what is the measure of NZ to the nearest whole number.

21. In $\triangle V N Y$ below, $\mathrm{VN}=20$ and $\mathrm{VY}=362$, what is the measure of NY to the nearest tenth.

Y

23. In $\triangle L D C$ below, $\mathrm{LD}=8$ and $\mathrm{DC}=16$, what is the measure of LC to the nearest whole number.


L
22. In $\triangle L D V$ below, $\mathrm{LD}=10$ and $\mathrm{DV}=4$, what is the measure of LV to the nearest whole number.

24. In $\triangle G Y K$ below, $\mathrm{GY}=18$ and $\mathrm{GK}=404$, what is the measure of YK to the nearest whole number.

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1. $\mathrm{TK}=19$
2. $\mathrm{HP}=17$
3. $\mathrm{KE}=14$
4. $\mathrm{CS}=13$
5. $\mathrm{IB}=18$
6. $\mathrm{UK}=14$
7. $\mathrm{MD}=11$
8. $\mathrm{UT}=14$
9. $\mathrm{EW}=19$
10. $\mathrm{RL}=13$
11. $\mathrm{PA}=2$
12. $\mathrm{FI}=8$
13. $\mathrm{GP}=15$
14. $\mathrm{VH}=4$
15. $\mathrm{XY}=7$
16. $\mathrm{CZ}=18$
17. $\mathrm{DZ}=15$
18. $\mathrm{VW}=10$
19. $\mathrm{GT}=16$
20. $\mathrm{NZ}=4$
21. $\mathrm{NY}=18$
22. $\mathrm{LV}=11$
23. $\mathrm{LC}=18$
24. $\mathrm{YK}=22$
