

MR22-HW#19

492: 3, 4, 18ab

495: 1, 3, 4

496: 18ab

555: 4, 9

558: 7

574: 7ab, 15a

579: 3ab

568: 19b

JUNE 10: 10, 13

THERE ARE MORE ANSWERS THAN QUESTIONS

1) (1)

2) (2)

3) (3)

4) (4)

5) LAW OF COSINES

6) LAW OF SINES

7) NO. MAGGIE ADDED THE ANGLES,
WHICH IS INCORRECT.

8) YES. MAGGIE ADDED THE ANGLES,
WHICH IS CORRECT.

9) $\frac{-\sqrt{2}}{2}$

10) $\frac{\sqrt{6}+\sqrt{2}}{4}$

11) $-\frac{\sqrt{6}+\sqrt{2}}{4}$

12) $\frac{\sqrt{2}-\sqrt{6}}{4}$

13) $\frac{\sqrt{6}-\sqrt{2}}{4}$

14) $P^2=N^2+O^2+2NO \cos P$

15) $P^2=N^2+O^2-2NO \cos P$

16) 4.9

17) 12.3 FT

18) 13.2 FT

19) 60.07°

20) 1

21) $\{29^\circ, 31^\circ, 120^\circ\}$

22) $\{21^\circ, 39^\circ, 120^\circ\}$

23) $\sqrt{26}$

24) $\cos A = \frac{7}{8}, \cos B = \frac{11}{16}, \cos C = -\frac{1}{4}$

25) $\cos A = -\frac{7}{8}, \cos B = \frac{11}{16}, \cos C = -\frac{1}{4}$

26) $-\frac{\sqrt{3}}{2}$

27) $-\frac{1}{2}$