P. 452#51-61 odd + P. 475#5-9 odd + #23-29 odd

Will Durning

5).
$$2 \cos x \sin x - \cos x = 0$$

 $10 \sin (2 \sin x - 1) = 0$
 $10 \sin (2 \sin x - 1) = 0$
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$$55. \tan^{2} x = 3$$

$$+ 60 x = 5 (3)$$

$$13 \qquad x = 3$$

$$2 = 3$$

$$2 = 3$$

$$2 = 3$$

$$2 = 3$$

57.
$$4(0)^{2}x - 4(0)x + 1 = 0$$

 $(2(0)x - 1)(2(0)x - 1) = 0$
 $2(0)x - 1 = 0$
 $2(0)x - 1$
 $(0)x - \frac{1}{2}$
 $x = \frac{1}{3} + 2k\pi$

$$59. \sin^{2}\theta - 2\sin\theta = 0$$

$$x^{2} - 2x = 0$$

$$x(x-2) = 0$$

$$\sin(\sin\theta - 2) = 0$$

$$\sin\theta = 0 \quad \sin\theta - 2 = 0$$

$$0 \neq k\pi \quad \sin\theta = 2$$

$$Notice$$

475 # 5-9 WA+ 23-29 0d

$$Sin 2x = 2 sin x$$
 $Sin 2x - 2 sin x = 0$
 $2 sin x (usx - 2 sin x = 0)$
 $2 sin x (usx - 2 sin x = 0)$
 $2 sin x (usx - 1) = 0$
 $2 sin x = 0$ $usx - 1 = 0$
 $3 in x = 0$ $usx = 1$

7. $(0s2x - sin x = 0)$
 $(0s2x - sin x =$

23.
$$(052x + (05x = 0)$$
 $2(05x - 1 + (05x = 0)$
 $2(05x - 1 + (05x = 0)$
 $2(05x - 1 + (05x = 0)$
 $2(05x - 1 = 0)$
 $2(05x - 1$

27. Sin 2x+ sin 4x=0

2 sin x cosx + sin (2x72x)=0

2 sin x cosx + 2 sin 2x cos 2x + to s 2x sin 2x=0

2 sin x cosx + 2 (2s n x cosx (2cos 2x-1))=0

2 sin x cosx + 2 (4s in x cos 2x - 2 sin x cosx) = 0

2 sin x cosx + 8 sin x (os 3x + 4 sin x cosx - 6

8 sin x cos 2x - 2 sin x cosx - 0

2 sin x cos 2x - 2 sin x cosx - 0

2 sin x cos 2x - 2 sin x cosx - 0

2 sin x cos 2x - 1 = 0

2 sin x cos 2x - 1 = 0

2 sin x cos 2x - 1 = 0

2 sin x cos 2x - 1 = 0

2 sin x cos 2x - 1 = 0

2 sin x cos 2x - 1 = 0

2 sin x cos 2x - 1 = 0

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2 sin x

29. Bes quadratic transit