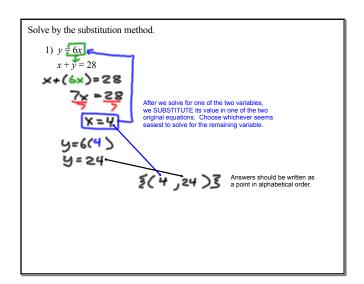
## Algebra I

7-2 Solving Systems: The Substitution Method



```
2) 3x+1=y

2x+3y=25

2x+3(3x+1)=25

2x+9x+3=25-3

1/x=22

1/x=22

3(2)+1=9

6+1=9 3(2,7)3

7=9
```

```
3) 2r + 3s = 0
r + 5 = 6s
-5 = 6s - 5
2(6s - 5) + 3s = 0
12s - 10 + 3s = 0
15s - 10 + 10 = 0 + 10
15s = 10
```

```
4) c_{=}d=8
\frac{c}{c} = d+4
C = 5d+20
(5d+20) - d = 8
4d+20 = 8
4d+20 = 8
4d+20 = -12
d = -3
C = 5(-3) + 20
C = -15 + 20
C = 5
```

```
Assignment:
pg. 439
4-16 even,
20-28 even,
31-33 all.
```