

## QUIZ 1 ANSWER KEY

1.

a. def initialize

```
@contacts = {} or Hash.new
end
```

b. def add\_contact(name,number)

```
  if @contacts[name] != nil
    @contacts[name].push(number)
  else
    @contacts[name] = [number]
  end
  puts "#{name}: #{@contacts[name].join(", ")}" # dbl quotes ok in {}
end
```

2.

a. (0,0)  
(1, 1)  
(2, 4)  
(3, 9)  
(4, 16)

b. (3, 8)  
(1, 2)

c. (1,1)  
(1,1)  
(5,5)  
(1,1)